

U.S. Basemap



-  State borders (present-day)
-  Major lakes
-  Major rivers
-  Nearby countries
-  Oceans
-  Continental divide



0 500 1,000 1,500 Miles

Data sources: ESRI
ArcGIS 9.2 and ArcLessons


Expansion of U.S. and Lewis & Clark Routes









U.S. Expansion

-  U.S. in 1783-1803
-  Louisiana Purchase

Lewis & Clark routes:

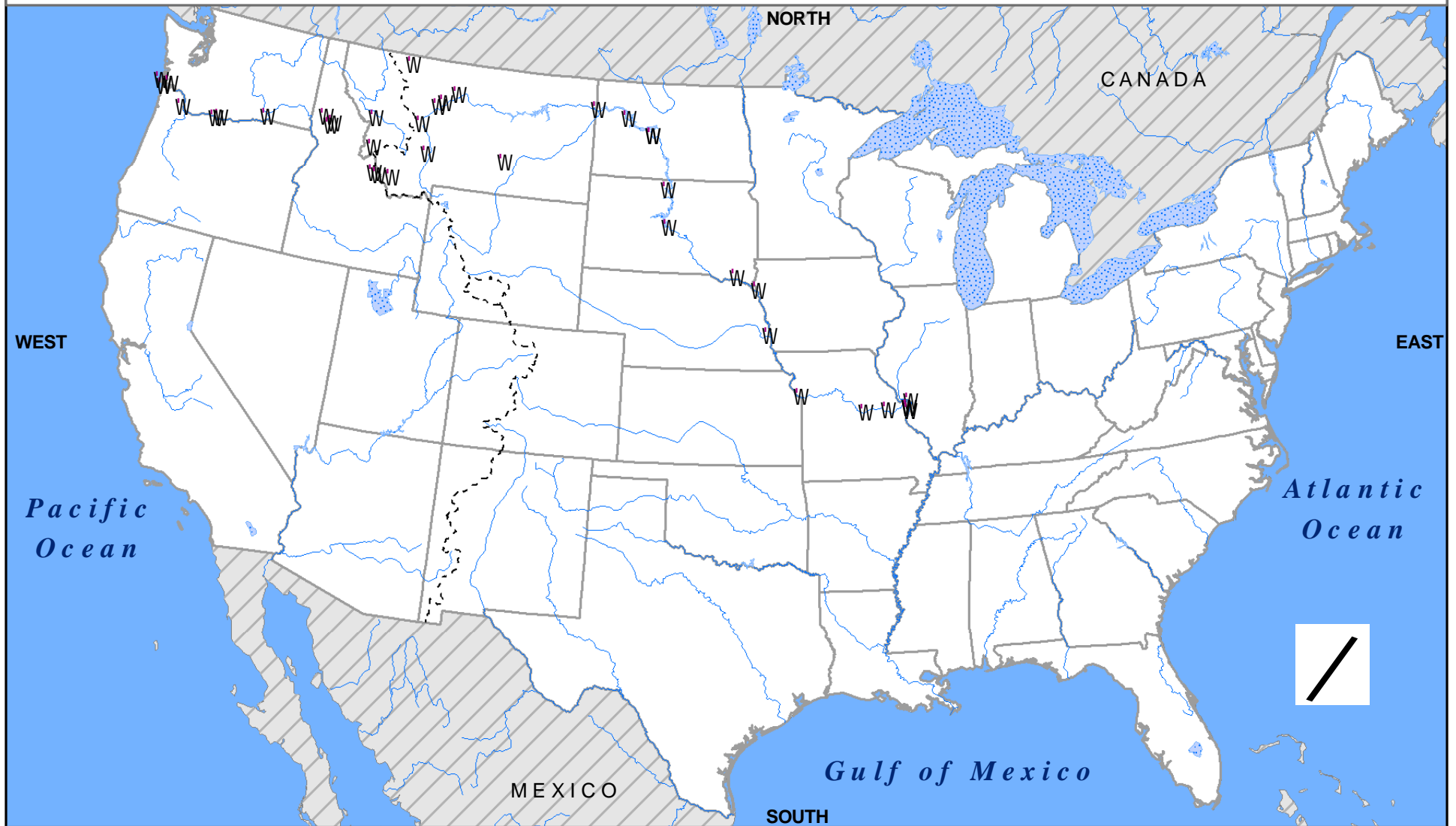
-  Preparation
-  Recruitment
-  Exploration

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Key Expedition Sites along Lewis & Clark Routes




W Key Expedition Sites

 State borders (present-day)

 Major lakes

 Major rivers

 Nearby countries

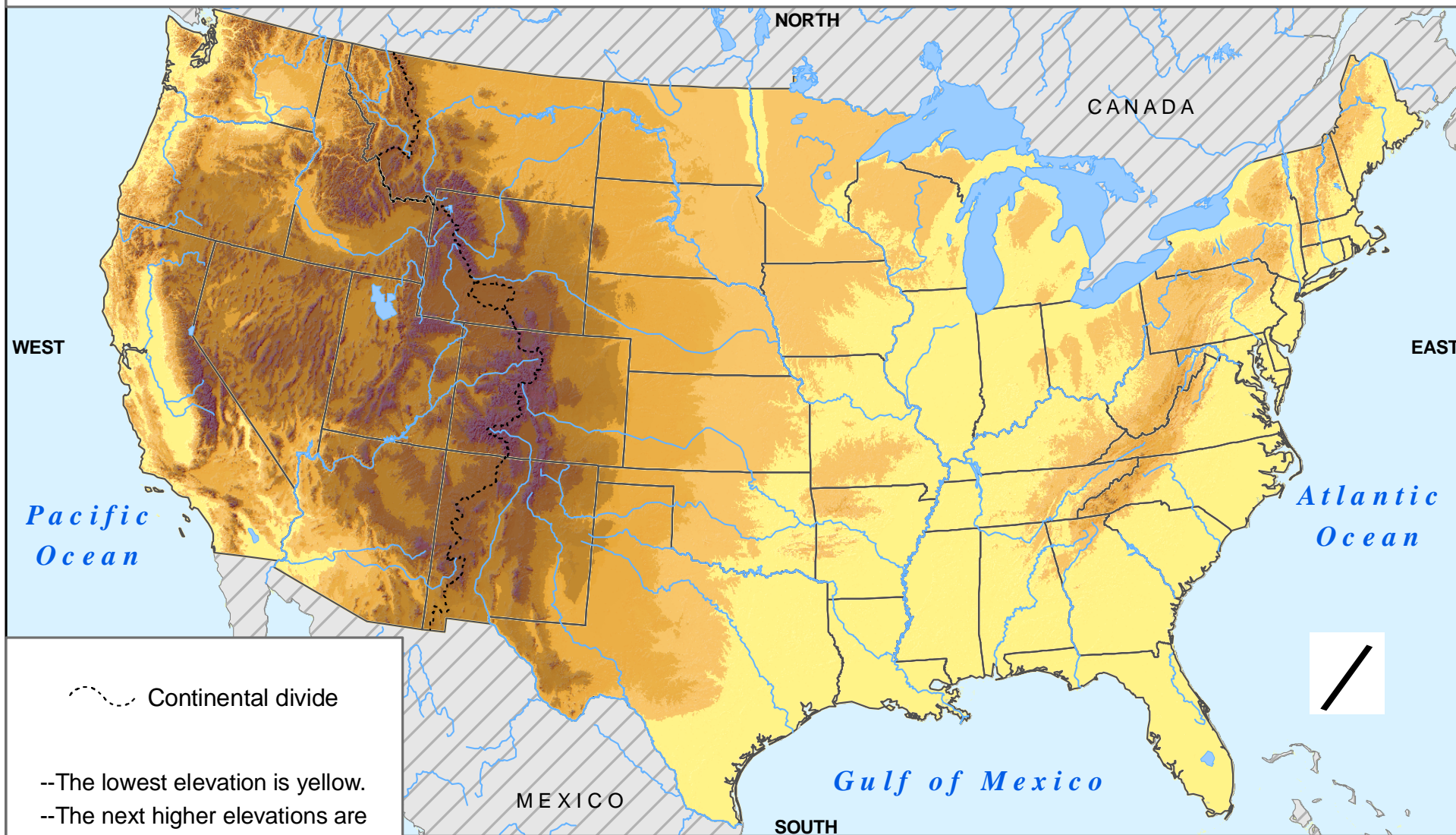
 Oceans

 Continental divide

0 500 1,000 1,500 Miles

Data sources: ESRI
ArcGIS 9.2 and ArcLessons

Elevation and Rivers



--- Continental divide

- The lowest elevation is yellow.
- The next higher elevations are shades of orange.
- The highest elevations are dark brown and purple.
- Mountains look bumpy.

Elevation data source:
USGS, SRTM, GLCF, Univ. of Maryland

State borders

Nearby countries

Major lakes

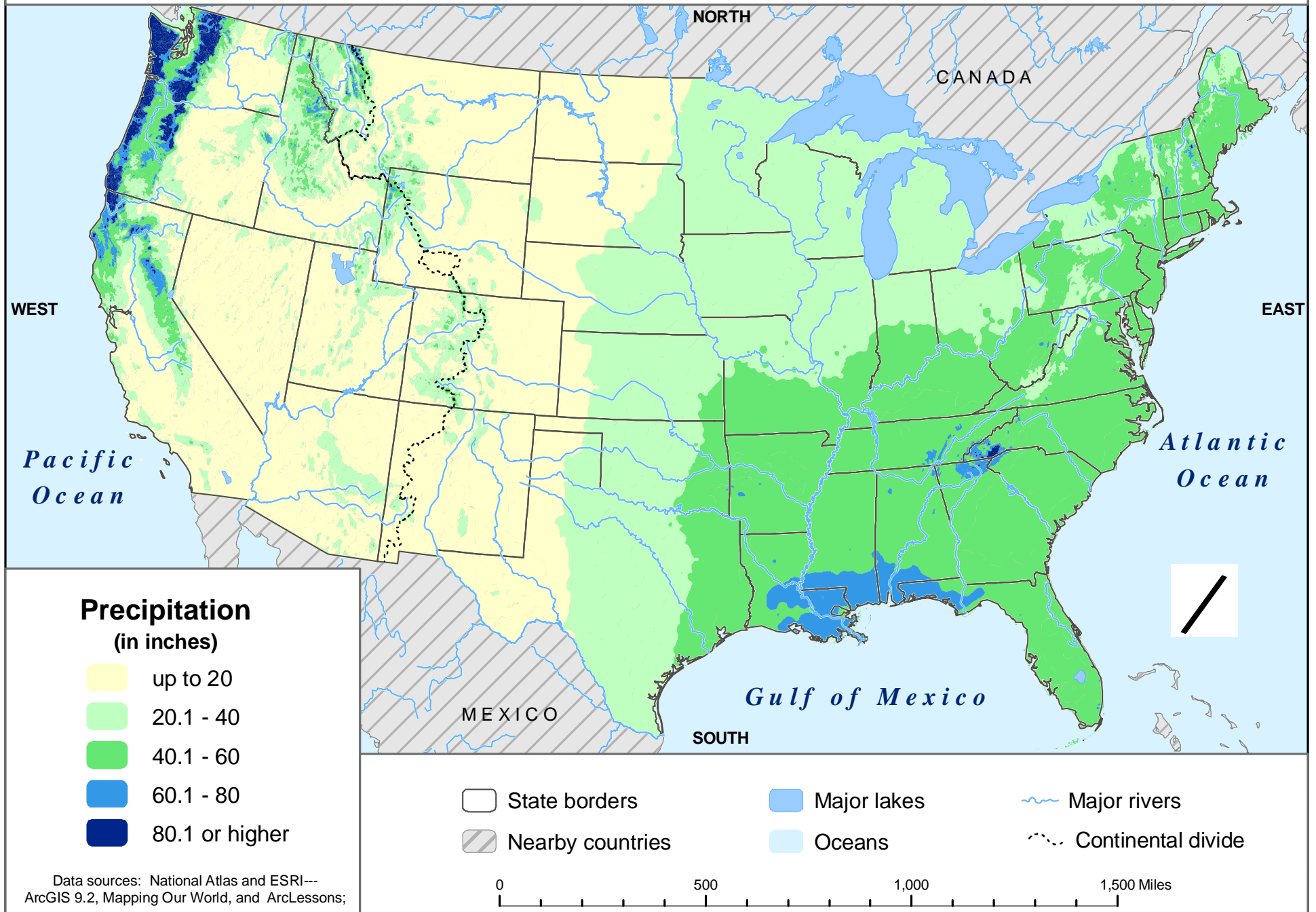
Oceans

Major rivers

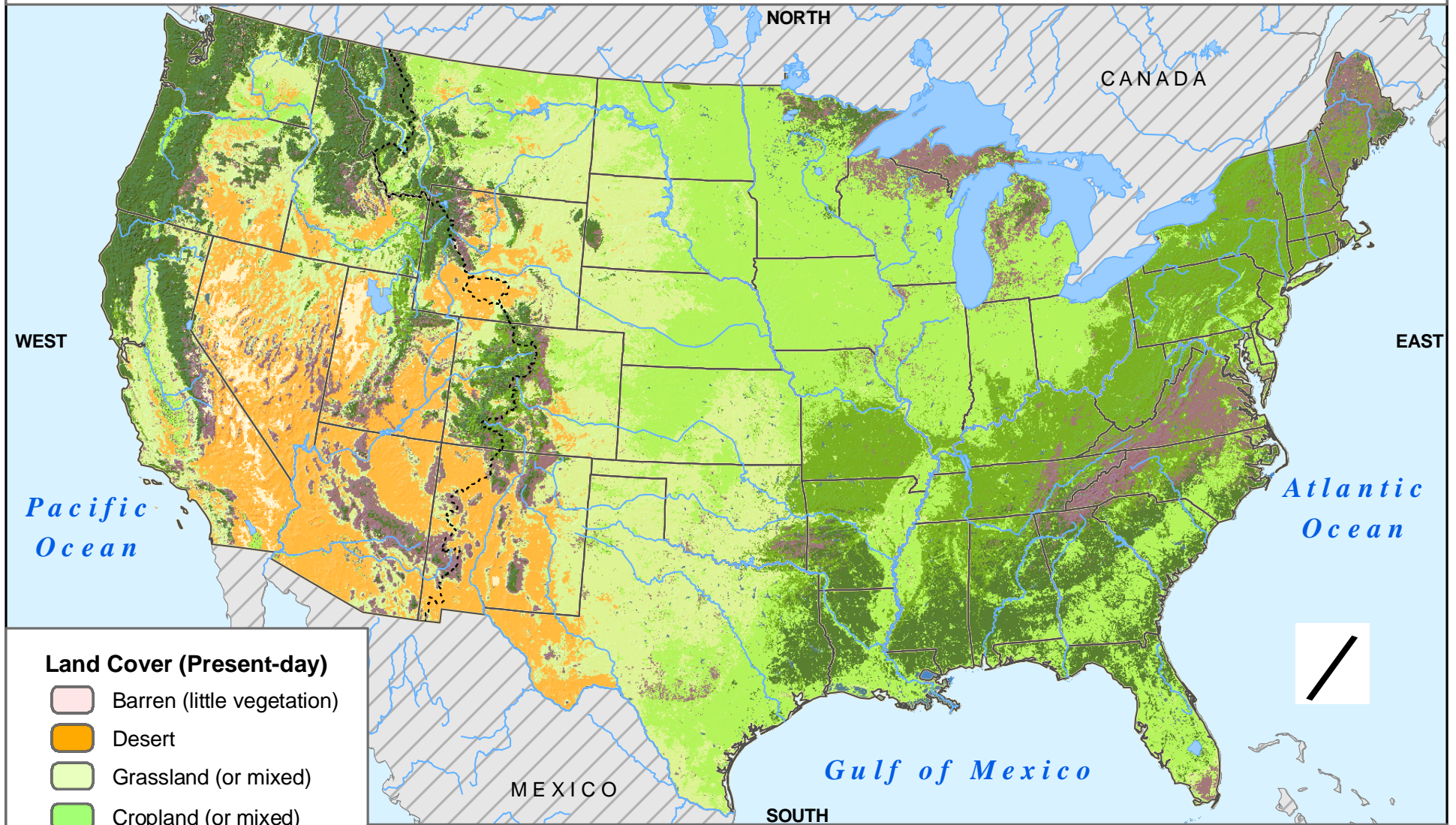
0 500 1,000 1,500 Miles

Data sources: ESRI
ArcGIS 9.2 and ArcLessons






Precipitation and Rivers



Present-day Land Cover as Background for Lewis & Clark Routes



Land Cover (Present-day)

-  Barren (little vegetation)
-  Desert
-  Grassland (or mixed)
-  Cropland (or mixed)
-  Forest (broadleaf)
-  Forest (needleleaf)
-  Forest (mixed)

Land cover data source: ESRI and NASA Earth Observing System Pathfinder Program

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Data sources: ESRI ArcGIS 9.2 and ArcLessons

Satellite Image and Rivers

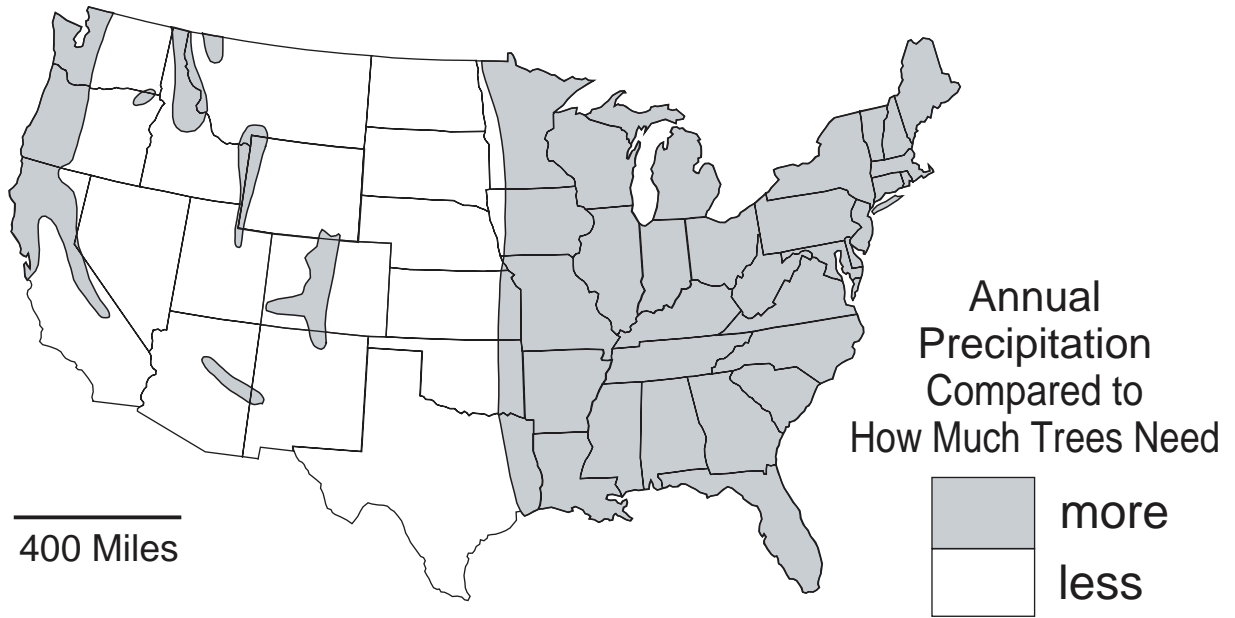


Data sources:
ESRI--
ArcGIS 9.2, Mapping Our World, and ArcLessons

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Water Balance



Growing Season

